

## ABSTRACT

**WIRELESS TERMINAL**

5           A wireless terminal having antenna diversity comprises a transceiver coupled to a plurality of antenna feeds and a ground conductor (902), the antenna feeds being coupled directly to the ground conductor (902). In one embodiment the ground conductor is a conducting case (902). The coupling may be via parallel plate capacitors (504) formed by a respective plate (506)  
10 and a surface (908) of the case (902). The case (902) acts as an efficient, wideband radiator, eliminating the need for separate antennas. Slots (912) may be provided to increase the radiating bandwidth of the terminal and improve its diversity performance. Good diversity performance is obtained in a range of environments, whether the terminal is hand-held or free-standing.

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(Figure 9)